

## OPEN NOTICE FOR INTERNATIONAL CALL FOR HIRING ONE PHD RESEARCHER

Ref<sup>a</sup>: CITIN-2021-RHAQ-SCF-P12-PHD

**Note: This is a free translation of the original announcement written in Portuguese, provided only for convenience of non-Portuguese speakers. Only the Portuguese version has official value.**

1. At a meeting, dated 09/16/2021, the Board of Directors of CiTin - Center for Industrial Technological Interface - Association, approved the opening of an international selection competition for **one doctoral researcher position**, for the exercise of R&D activities, under a fixed-term employment contract, with a minimum duration of 24 months, for the exercise of Scientific Research activities in the area(s) of **Electronics Engineering, Electrical and Computer Systems Engineering**, or similar, with an emphasis on the advancement of knowledge in **Industrial Cyber-Physical Systems and Collaborative Robotics**. **The candidate should have proven experience in the design and conception of network-embedded systems with low-power requirements, IIoT architectures, LPWANs communications, etc.**, and should be available for developing R&D activities within the scope of CiTin's mission. In this context, the functions to be performed by the researcher include, namely:

- Develop applied research in the context of R&D projects included in the technological roadmap of the Department of Cyber-Physical Systems;
- As a result of the research activity, actively collaborate in the production of scientific articles, patent registration, as well as in reporting the progress of R&D work;
- Collaborate in the management of the technical-scientific activity of the Department of Cyber-Physical Systems, namely in the management (planning, execution, reporting) of R&D projects.
- Collaborate in the management of the Department's infrastructure (work tools and laboratory facilities);
- Participate in technical-scientific training activities in the context of projects and partnerships established by CiTin in the context of its mission;
- The PhD Researcher reports to the Coordinator of the Department of Cyber-Physical Systems.

Information on the vision and objectives of CiTin – Center for Industrial Technological Interface – Association can be found at <http://www.citin.pt>. This tender is open under funding granted to CiTin, with reference NORTE-06-3559-FSE-000226, financed by the European Social Fund (FSE), through the Northern Regional Operational Program (NORTE2020).

2. Applicable legislation:

- Decree-Law No. 57/2016, of 29 August, which approves a regime for the hiring of doctorates aimed at stimulating scientific and technological employment in all areas of knowledge (RJEC), as amended by the Law No. 57/2017, of July 19, also taking into account the provisions of Regulatory Decree No. 11-A/2017, of December 29, which establishes the remuneration levels in the doctoral contracting regime;

- Labor Code, approved by Law No. 7/2009, of February 12, in its current wording

3. In accordance with the provisions of article 13 of the RJE, the jury of the tender procedure is composed as follows:

- President: Prof. Doctor Sérgio Ivan Fernandes Lopes, Adjunct Professor at the School of Technology and Management of the Polytechnic Institute of Viana do Castelo and Director General of CiTin,
- Member: Prof. Doctor Luís Manuel Cerqueira Barreto, Coordinator Professor at the Polytechnic Institute of Viana do Castelo,
- Member: Prof. Doctor António Miguel Rosado da Cruz, Adjunct Professor at the Polytechnic Institute of Viana do Castelo,
- Substitute Member: Prof. Doctor Pedro Miguel do Vale Moreira, Coordinating Professor at the School of Technology and Management of the Polytechnic Institute of Viana do Castelo and Director of the School of Technology and Management of the Polytechnic Institute of Viana do Castelo.

4. The workplace is located at CiTin, Passos – Guilhadeses, 4970-786 Arcos de Valdevez, notwithstanding that the provision of work may also take place in other facilities related to the activity of CiTin, or indicated by it.

5. In compliance with the provisions of article 2 of the Regulatory Decree no. 11-A/2017, of 29 December, the monthly remuneration to be attributed to the contract to be concluded within the scope of this tender procedure will depend on the experience obtained in the period post-doctoral program for the selected candidate, amounting to **€2,570.82, corresponding to level 41 of the Single Remuneration Table, if the selected candidate has proven experience and a doctoral degree obtained more than three years ago; or €2,153.94, corresponding to level 33 of the Single Remuneration Table, if the selected candidate has obtained a doctorate degree for less than three years.**

6.

6.1. This competition is governed by Decree Law No. 57/2016 of 29 August, in its current wording, which approved the regime for hiring doctorates with a view to stimulating scientific and technological employment in all areas of knowledge.

6.2. The opening of this tender procedure is intended for the selection of **one doctoral researcher's post** to carry out Scientific Research activities under an employment contract with an uncertain term of office under the Labor Code, approved by Law no. 7/2009 of 12 February in its current wording, with a minimum duration of 24 months, as explained in paragraph h) of point 6 of Notice No. NORTE-59-2020-18 - RHAQ.

6.3. The fixed term contract has a maximum duration of 36 months. The termination or completion of the project, financing or tasks for which the worker was hired, described in point 1 of this notice, will determine the expiry of the contract, which will operate in accordance with the provisions of paragraph 1 of the article 345 of the Labor Code: "The employment contract for an uncertain term

expires when, foreseeing the occurrence of the term, the employer communicates the termination of the same to the employee, at least seven, 30 or 60 days in advance as the contract has lasted up to six months, from six months to two years or longer.”

7. National, foreign and stateless persons who hold a doctoral degree, in a field of knowledge or specialty that cover the scientific area(s) of **Electronics Engineering, Electrical and Computer Systems Engineering**, or related scientific area, as well as those to whom, under the terms of Decree-Law No. 66/2018, of August 16, regulated by Ordinance No. 33/ 2019, of January 25th, as amended by Ordinance No. 43/2020, of February 14th, the full rights inherent to the title of Doctor were recognized and they are also holders of a scientific and professional curriculum that reveals a adequate profile for the activity to be developed.

7.1. If you are not a native speaker of the Portuguese language, hold the language skills at level C1 of the Common European Framework of Reference for Languages (CEFR).

7.2. If you are not a native English speaker, have language skills at level C1 of the Common European Framework of Reference for Languages (CEFR).

8. Formalization of applications:

8.1. Applications must be addressed to the Chairman of the Board of Directors of CiTin and sent by email to **recrutamento@citin.pt**, including, in the subject, the identification of this notice and, in the body, the full name, affiliation, number and date ID card, Citizen Card, or civil identification number, tax identification number, date and place of birth, marital status, profession, residence and contact address, including email address and telephone number.

Recognition of the Doctor's degree must be obtained by the end of the period granted for the conclusion of the contract, if the candidate or a candidate in an eligible place has obtained a Doctor's degree abroad.

8.2. The application is accompanied by documents proving the conditions provided for in point 7 for admission to this tender procedure, namely:

- Letter of interest;
- Copy of certificate or diploma;
- Detailed curriculum vitae structured in accordance with the items in point 14, and the works that the candidate considers most relevant for each of the items in point 14 must be marked, with a copy attached;
- Self-assessment of language skills (Portuguese and English) according to the Common European Framework of Reference for Languages (CEFR).
- Other documents that the candidate justifies being relevant for the analysis of his/her application.

8.3 Candidates submit the application and the documents referred to in 8.1 and 8.2, in PDF format, by e-mail, by e-mail to **recrutamento@citin.pt**, until the last day of the opening of the tender procedure, which is fixed in 10 working days after the publication of this Notice. A candidate, based on the

impossibility or excessive burden of sending by email any of the documents referred to in 8.1 and 8.2, may deliver them in physical format, respecting the aforementioned date, by registered mail with notice of reception at the postal address “CiTin – Center for Technological and Industrial Interface, InCubo, Passos – Guilhadeses, 4970-786 Arcos de Valdevez, Portugal” or by hand at the same address. If the candidate's justification for submitting documents only in physical format is not accepted, the President of the Jury gives him an additional period of 5 working days to present them also in digital format.

8.4 The application and documents may be presented in Portuguese or English, although the President of the Jury, if a member who does not speak Portuguese, requires the candidate to proceed within a reasonable period of time. the translation into English of a document previously presented by you in Portuguese.

9. By decision of the Chairman of the Board of Directors of CiTin, candidates who do not comply with the provisions of point 8 are not admitted to the competitive process, and candidates who do not present the application, or do not deliver all the documents referred to in sub-paragraphs a) to c) of point 8.2, or present them illegible, incorrectly filled in, or invalid. It also has the power to require any candidate, in case of doubt and for the purposes of admission to proceed.

10. Approval on absolute merit:

10.1 The Jury will deliberate on its approval or rejection on absolute merit, by justified roll call vote where no abstentions are allowed.

10.2 The candidate who obtains a favorable vote from more than half of the voting jury members is considered approved in absolute merit.

10.3 Candidates who have a relevant scientific and curricular background for the scientific area(s) of the tender procedure and taking into account their adequacy to the identified weighting criteria will be approved on absolute merit on 14.

10.4 The unfavorable vote to the approval on absolute merit may also be based on failure to comply with the following circumstance:

- a) the candidate's résumé is clearly insufficient and out of step with the scientific area(s), suffering from serious inaccuracies or not being supported by the candidate's previous work.

11. Pursuant to article 5 of the RJEC, selection is carried out by evaluating the scientific and curricular path of the candidates.

12. The evaluation of the scientific and curricular path focuses on relevance, quality and timeliness:

- a) Scientific, technological, academic and cultural or artistic production of the last five years considered most relevant by the candidate;
- b) Applied or practice-based research activities carried out in the last five years and considered to have the greatest impact by the candidate;

c) The activities of extension and dissemination of knowledge developed in the last five years, namely in the context of promoting culture and scientific practices, considered of greatest relevance by the candidate;

d) Management activities of science, technology and innovation programmes, or experience in the observation and monitoring of the scientific and technological system or higher education, in Portugal or abroad.

13. The period of five years referred to in the previous number may be increased by the jury, at the request of the candidate, when based on suspension of scientific activity for socially protected reasons, namely, for reasons of parental leave, prolonged serious illness, and other situations of unavailability for work that are legally protected.

14. The selection of the doctorate/to be hired will be made by evaluating the scientific-pedagogical and curricular path of the candidates, focusing on the relevance, quality, timeliness and suitability of this path to the functions to be performed, considering the last five years of activity, according to the following evaluation criteria and weightings:

a) Quality of scientific production considered most relevant by the candidate, and relevant to the functions to be performed (30%);

b) Quality of results achieved in the context of applied research activities, namely in the development of patents and innovative technologies (i.e., pilots, prototypes, etc.) (30%);

c) Participation in leading R&D projects and proven experience in leading the respective teams (20%);

d) Participation in applied R&D projects, focusing on the development of Cyber-Physical Systems (20%);

15. The jury can decide to select up to 3 candidates who will be called to carry out a session to present the results of their investigation, following which the jury members must stimulate an open debate about its content and innovative character. This presentation session is not a selection method and is not classified, merely aiming to obtain clarifications or explanations of elements contained in the candidates' CVs.

16. The Jury, whenever deemed necessary, may request the candidate to present additional documents proving the candidate's statements, which are relevant for the analysis and classification of his/her candidacy.

17. Classification of candidates:

17.1. Each member of the jury assigned a classification to each of the candidates in each evaluation criterion, on a scale from 0 to 100 points, proceeding to the ordering of the candidates according to the respective final classification constituted by the summation of the partial classifications attributed in each evaluation criterion, and taking into account the weight attributed to each parameter.

17.2. Candidates are ranked by applying the successive voting method.

17.3. The jury deliberates by an absolute majority, abstentions not being allowed.

17.4. The final classification of each candidate is the one corresponding to their ranking resulting from the application of the method referred to in point 17.1.

18. Minutes are drawn up of the jury's meetings, which contain a summary of what occurred in them, as well as the votes cast by each of the members and respective reasons, and are provided to candidates whenever requested.

19. The jury's final deliberation is approved by the Chairman of the Board of Directors of CiTin, who is also responsible for signing the respective contract.

20. Candidates' false statements will be punished according to the law.

21. After completing the application of the selection criteria, the jury prepares the list of admitted and excluded candidates, as well as the ranking list of successful candidates, which will be published at CiTin's premises as such. as advertised on the CiTin website, with applicants being notified by e-mail with delivery receipt of the notification.

22. Prior Hearing and Deadline for the Jury's Final Deliberation: After being notified, the candidates have a period of 10 working days to comment. Within 90 days, counting from the deadline for the submission of candidacies, the final decision of the Jury is given. The final deliberation of the jury is approved by the Chairman of the Board of Directors of CiTin, who is also responsible for signing the respective contract.

23. This tender procedure is exclusively intended to fill the vacancy(s) indicated, and may be terminated until the approval of the final ranking list of the candidates, and expires with the respective occupation of the job(s) on offer.

24. Non-discrimination and equal access policy: CiTin actively promotes a non-discrimination and equal access policy, whereby no candidate can be privileged, benefited, prejudiced or private /a from any right or exempt from any duty on the grounds, namely, of ancestry, age, sex, sexual orientation, marital status, family situation, economic situation, education, origin or social condition, genetic heritage, reduced work capacity, disability, chronic illness, nationality, ethnic origin or race, territory of origin, language, religion, political or ideological convictions and union membership.

25. This tender must be advertised on the contracting institution's website, in Portuguese and English and on the Euraxess portal.

The jury approved this notice at a meeting held on May 9, 2022.



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